

Southwest Geotechnical Engineers Conference

Executive Summary Report

As part of our technology sharing program, we are distributing this Executive Summary of the technical information presented at the subject workshop held in Oklahoma City, Oklahoma May 16-19, 2005. This year we had participants from 8 State DOTs, the FHWA Resource Center, various contractors, consultants and suppliers, and invited speakers from private industry. The agenda included a workshop on “Rockfall Catchment Area Design Guide Implementation” conducted by Mr. Larry Pierson of Landslide Technology and developed through the efforts of FHWA Federal Lands Office. A half-day Geophysics Workshop was conducted by Mr. Phil Sirles of Zonge GeoSciences. This workshop was developed through the FHWA Federal Lands Office and the FHWA Resource Center. A variety of technical and case study presentations were made on subjects such as slope stability, foundations, geophysics, retaining walls, and other geotechniques. The workshop included a 1-day field trip to the CMI-Terex Corporation facility in Oklahoma City. Terex manufactures, among other types of road construction equipment, Reclaimer/Stabilizers. Following a tour of the manufacturing facilities Terex personnel conducted a field demonstration of three CMI-Terex Reclaimer/Stabilizers. The agenda for this meeting is attached.

This years Southwest Geotechnical Engineers Conference has again proven to be our most successful geotechnical technology transfer activity. The State and FHWA personnel from the 10 Southwest and Mid-Southwest States who participate in this workshop consider this to be the best and most productive technical session they attend during the course of the year.

Next year the Southwest Geotechnical Engineers Conference will be hosted by the FHWA Resource Center and the New Mexico Department of Transportation on May 15 to 18, 2006 in Albuquerque, New Mexico.

Barry D. Siel, P.E., FHWA Resource Center
Southwest Geotechnical Engineers Conference
Steering Committee Chair

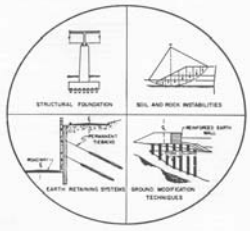


30th Southwest Geotechnical Engineers Conference

Oklahoma City, Oklahoma

May 16 - 19, 2005

AGENDA



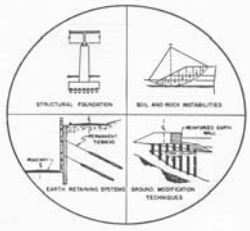
Monday May 16, 2005		
4:00 - 7:00 PM	Registration & Ice Breaker	
Tuesday May 17, 2005		
7:30 AM	Registration	
8:00 - 8:15	Welcome & Announcements	Jim Nevels Oklahoma DOT
Session 1 - Rockfall		
8:15 - 9:15	Wire Mesh/Cable Net Slope Protection	Tom Badger Washington State DOT
9:15 - 10:00	Rock Fall Mitigation Project on NM 4	Mohammed Ghweir New Mexico DOT
10:00 - 10:30	BREAK	
10:30 - 11:30	Rockfall Catchment Area Design Guide Implementation Workshop	Larry Pierson Landslide Technology
11:30 - 12:00	Review of AWS Requirements for Steel Piles Welding	Ron Siegel New Mexico DOT
12:00 - 1:00	LUNCH	
Session 2 - Geophysics		
1:00 - 2:30	FHWA Geophysics Workshop	Phil Sirles Zonge GeoSciences
2:30 - 3:00	BREAK	
3:00 - 5:00	FHWA Geophysics Workshop	Phil Sirles Zonge GeoSciences

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Wednesday May 18, 2005

Session 3 - Foundations

8:00 - 8:30	The use of Post-Grouted or Pressure Grouted Drilled Shaft Tips in Texas	Reza Badiozzamani Texas DOT
8:30- 9:00	Innovative Mitigation/Repair of Anomalous Drilled Shafts	Youssef Awad CalTrans
9:00 - 9:30	Underpinning US-81 over K-18 with Auger-Cast Piling	Jim Brennan Kansas DOT
9:30 - 10:00	Red Top Landslide, Solano County, California	Thomas Whitman Caltrans
10:00 - 10:30	BREAK	
10:30 - 11:00	An Overview of Soil Stabilization	John Huffman Terex
11:00 - 11:30	Edge Moisture Variation at the Norman Bike Trail	Jim Nevels Oklahoma DOT
11:30 - 12:00	Application of Unstaturated Soil Mechanics in State DOT Geotechnical Practice	Jim Nevels Oklahoma DOT
12:00 - 1:00	LUNCH	

Session 4 - Geotechniques

1:00 - 1:30	Abutment Design - A Geotech Responsibility Tools/Methods for Repairing Shallow Slides	Bob Barrett Soil Nail Launcher, Inc.
1:30 - 2:00	Use of Geogrids for Soil Stabilization on I-40 Project in Oklahoma City, OK	Keith Brooks Contech Construction
2:00 - 2:30	EM Mapping of Clay Seams - Case Study	Kanaan Hanna Blackhawk GeoSciences
2:30 - 3:00	BREAK	
3:00 - 3:45	Rehabilitation of a Historic Railroad Tunnel in a Highly Seismically Active Region	Zia Zaffir Kleinfelder
3:45 - 4:30	Jet Grouting	Thomas Hurley Layne GeoConstruction
4:30 - 5:00	Quality Control Testing for Granular Backfill Materials	Donald Snethen Oklahoma State Univ.

Thursday, May 19, 2005

8:00 - 4:00	Field Trip - CMI Terex Facility Tour and Field Demonstration
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